

RHIC QUENCH DETECTION BLOCK DIAGRAM #2

COMMUNICATION COMPUTER FUNCTIONS

- Communicates to Control System
- Sends Dipole and Quad current values to cryo system
- Downloads programs and parameters
- Uploads stored data to Users
- Initializes VME modules

UTILITY CARD FUNCTIONS

- Synchronizes to the 720 Hz system signal
- Extracts Ring Magnet Currents from RTDL
- Monitors Ring Events
- Interrupts host computer at 720 Hz rate

DELAY CARD FUNCTIONS

- Monitors Event Link
- Initializes TIMING/CONTROL Card
- Synchronizes TIMING card to 720 Hz system clock
- Sends out QUENCH DETECTED signals to TIMING Card

